

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start		Rating **	A	Issue No.	57
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0501_01_f_2014_57				
Comment Code					
Inspector Comment					
District has the O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	58
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0501_01_s_2012_58				
Comment Code					
Inspector Comment					
RD 501 has emergency supplies in storage.					

No Photos

LM Start		Rating **	A	Issue No.	59
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0501_01_s_2012_59				
Comment Code					
Inspector Comment					
Crew members have been trained and are prepared for a flood.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	0.06	Rating **	M	Issue No.	42
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.253783 °	38.253525 °
				-121.602077 °	-121.602265 °
DWR ID	DWR_RD0501_01_f_2018_42				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0501\_169\_42\_20190311\_00010.jpg



View looking downstream at relatively thick trees on the landside slope (November 2018).

LM Start	0.11	Rating **	M	Issue No.	24
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.253217 °	38.253217 °
				-121.602480 °	-121.602480 °
DWR ID	DWR_RD0501_01_s_2019_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim trees within 20 feet of the crown.					

Photo 1 of 1 : SP\_2019\_RD0501\_169\_24\_20190314\_00066.jpg



View looking downstream at trees within 20' of the levee crown (Spring 2019).

LM Start	0.14	Rating **	M	Issue No.	43
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.252790 °	38.252548 °
				-121.602705 °	-121.602805 °
DWR ID	DWR_RD0501_01_f_2018_43				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	0.47	Rating **	M	Issue No.	25
LM End	0.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.248025 °	38.247156 °
				-121.602761 °	-121.602669 °
DWR ID	DWR_RD0501_01_f_2018_25				
Comment Code					
Inspector Comment					
2017 Site ID: STM 21.2 R					
Status: Eroding New					
2017 Field Notes: Difficult to observe due to high vegetation.					
Site History: 2016 - Large slump section.					
2018: Difficult to see due to dense vegetation on water side toe					

No Photos

LM Start	0.70	Rating **	M	Issue No.	71
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.244667 °	38.237470 °
				-121.602967 °	-121.604418 °
DWR ID	DWR_RD0501_01_s_2012_71				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
District has done baiting in this area and says rodents haven't been seen around this area anymore. Backfill holes and continue monitoring.					

No Photos

LM Start	0.76	Rating **	M	Issue No.	29
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.243815 °	38.240257 °
				-121.603077 °	-121.603873 °
DWR ID	DWR_RD0501_01_f_2018_29				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Landside slope is covered in blackberry vines. Should be removed to allow inspection and access.					

Photo 1 of 1 : SP\_2019\_RD0501\_169\_29\_20190311\_00004.jpg



View of landside slope covered in blackberry vines.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	1.01	Rating **	M	Issue No.	46
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.240262 °	38.237758 °
				-121.603878 °	-121.604453 °
DWR ID	DWR_RD0501_01_f_2018_46				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.01	Rating **	M	Issue No.	31
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240222 °	38.238918 °
				-121.603887 °	-121.604338 °
DWR ID	DWR_RD0501_01_f_2017_31				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Waterside vegetation should be thinned/removed to 20' from WS shoulder to allow inspection and access.					

Photo 1 of 1 : SP\_2019\_RD0501\_169\_31\_20190311\_00006.jpg



View of waterside vegetation.

LM Start	1.83	Rating **	M	Issue No.	35
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228612 °	38.228612 °
				-121.604120 °	-121.604120 °
DWR ID	DWR_RD0501_01_s_2019_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove blackberry bushes on the levee slope.					

Photo 1 of 1 : SP\_2019\_RD0501\_169\_35\_20190314\_00068.jpg



View looking downstream at blackberries on the landside toe (Spring 2019).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	2.07	Rating **	U	Issue No.	47
LM End	2.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.225070 °	38.225070 °
				-121.603827 °	-121.603827 °
DWR ID	DWR_RD0501_01_f_2018_47				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Deep gouges in the waterside slope due to heavy foot traffic. LMA put sign up to deter foot traffic and it has been effective.					

Photo 1 of 2 : SP\_2019\_RD0501\_169\_47\_20190311\_00013.jpg



View of foot path that is more than 1 foot deep into the waterside slope (November 2018).

LM Start	<b>2.07</b>	Rating **	U	Issue No.	<b>47 (cont)</b>
LM End	<b>2.07</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0501\_169\_47\_20190311\_00014.jpg



View of two additional foot paths that are more than 1 foot deep into the waterside slope (November 2018).

LM Start	2.24	Rating **	U	Issue No.	48
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.222598 °	38.222598 °
				-121.603330 °	-121.603330 °
DWR ID	DWR_RD0501_01_f_2018_48				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	2.41	Rating **	M	Issue No.	51
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.220323 °	38.220323 °
				-121.603937 °	-121.603937 °
DWR ID	DWR_RD0501_01_f_2018_51				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.57	Rating **	M	Issue No.	32
LM End	2.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.218178 °	38.217875 °
				-121.605293 °	-121.605532 °
DWR ID	DWR_RD0501_01_s_2012_32				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Continue trimming the trees at this location to at least five feet above the ground.					

No Photos

LM Start	2.67	Rating **	M	Issue No.	34
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.217030 °	38.216408 °
				-121.606303 °	-121.607057 °
DWR ID	DWR_RD0501_01_s_2012_34				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees to at least five feet above the ground.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	2.83	Rating **	M	Issue No.	52
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215255 °	38.214455 °
				-121.608158 °	-121.608783 °
DWR ID	DWR_RD0501_01_f_2018_52				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.02	Rating **	M	Issue No.	53
LM End	3.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.212803 °	38.212803 °
				-121.609922 °	-121.609922 °
DWR ID	DWR_RD0501_01_f_2018_53				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.07	Rating **	M	Issue No.	54
LM End	3.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.212072 °	38.210642 °
				-121.610097 °	-121.610397 °
DWR ID	DWR_RD0501_01_f_2018_54				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	3.26	Rating **	M	Issue No.	55
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.209402 °	38.209013 °
				-121.610900 °	-121.611078 °
DWR ID	DWR_RD0501_01_f_2018_55				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.48	Rating **	U	Issue No.	56
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.206375 °	38.206375 °
				-121.612258 °	-121.612258 °
DWR ID	DWR_RD0501_01_f_2018_56				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.59	Rating **	M	Issue No.	60
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.204952 °	38.204242 °
				-121.612835 °	-121.613082 °
DWR ID	DWR_RD0501_01_f_2018_60				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	3.94	Rating **	M	Issue No.	33
LM End	4.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.200083 °	38.199278 °
				-121.614642 °	-121.615070 °
DWR ID	DWR_RD0501_01_f_2017_33				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove this vegetation to increase visibility and access to slope and toe.					

No Photos

LM Start	4.38	Rating **	M	Issue No.	19	
LM End	4.39	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.195332 °	38.195310 °	
				-121.619749 °	-121.619801 °	
DWR ID	DWR_RD0501_01_f_2017_19					
Comment Code						
V4 : Elderberries are blocking visibility and flood fight capability.						
Inspector Comment						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	5.77	Rating **	M	Issue No.	21		
LM End	5.84	Issue Type +	Ma	Location *	WS		
Category	Supplemental			GPS Latitude/Longitude			
				Start	End		
Item	2017 USACE Erosion Survey, DRAFT			38.190001	°	38.189311	°
				-121.643160	°	-121.643917	°
DWR ID	DWR_RD0501_01_f_2018_21						
Comment Code							
Inspector Comment							
2017 Site ID: STM 15.7 R							
Status: Eroding							
2017 Field Notes: No observed change.							
Site History: 2008 - Overstepped levee section with multiple small pockets of erosion 10 - 20 ft wide. 2013 - Site has fresh erosion and taller vertical sections.							
Spring 2019 Notes: Tree fallen next to worst of erosion spot during February highwater events							

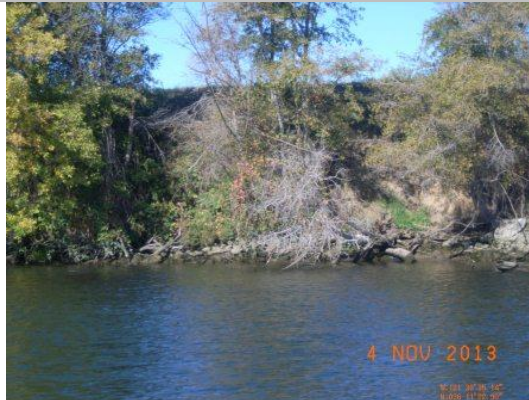
Photo 1 of 2 : SP\_2019\_RD0501\_169\_21\_20190314\_00073.jpg



View looking downstream at tree that recently fell next to worst of the erosion spots. Tree fell during the February 2019 highwater events (Spring 2019).

LM Start	<b>5.77</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>5.84</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0501\_169\_21\_20190311\_00002.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	5.89	Rating **	U	Issue No.	38
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.188870 °	38.188870 °
				-121.644732 °	-121.644732 °
DWR ID	DWR_RD0501_01_f_2017_38				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim/thin/remove trees and undergrowth to allow inspection and access to slope and toe.					

Photo 1 of 1 : SP\_2019\_RD0501\_169\_38\_20190311\_00007.jpg



View of trees and undergrowth on landside slope and toe.

LM Start	5.94	Rating **	C	Issue No.	39
LM End	6.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.188283 °	38.186090 °
				-121.645398 °	-121.648027 °
DWR ID	DWR_RD0501_01_f_2017_39				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Heavy blackberry growth along toe should be removed to allow inspection and access to toe. LMA reports ditch near toe inhibits ability to mow.					

No Photos

LM Start	6.15	Rating **	M	Issue No.	40
LM End	6.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.186090 °	38.186090 °
				-121.648022 °	-121.648022 °
DWR ID	DWR_RD0501_01_f_2017_40				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	03/12/2019 03/12/2019	David Julian

LM Start	6.59	Rating **	M	Issue No.	23
LM End	6.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.184136 °	38.184040 °
				-121.655762 °	-121.656291 °
DWR ID	DWR_RD0501_01_s_2012_23				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	03/12/2019 03/12/2019	David Julian

LM Start	0.16	Rating **	M	Issue No.	17
LM End	0.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.186068 °	38.186068 °
				-121.659012 °	-121.659012 °
DWR ID	DWR_RD0501_02_f_2018_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0501\_170\_17\_20190311\_00002.jpg



View of thick vegetation at the top of the water side slope (November 2018).

LM Start	0.65	Rating **	M	Issue No.	23
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.192630 °	38.194068 °
				-121.655452 °	-121.655160 °
DWR ID	DWR_RD0501_02_s_2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove annual vegetation from landside slope.					

Photo 1 of 1 : SP\_2019\_RD0501\_170\_23\_20190314\_00044.jpg



View looking upstream at vegetation on the landside slope (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	03/12/2019 03/12/2019	David Julian

LM Start	1.25	Rating **	M	Issue No.	31
LM End	1.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.201143 °	38.201143 °
				-121.655169 °	-121.655169 °
DWR ID	21085				
Comment Code					
Inspector Comment					
FS_ID:44753 DS_ID:21085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole rusted through pipe on WS end. Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 20-inch coated steel gravity drainage pipe through the levee, 15.5 feet below the crown. Pipe exposed along the waterside (WS) slope. Steel plate welded over end. [Additional Reference(s): USACE Sacramento O&M Manual 105, April 1959, (HLM 1.4)]. FS Date: 4/23/2015					

LM Start	1.25	Rating **	M	Issue No.	31 (cont)
LM End	1.25	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_44753\_73955.jpg



20-inch pipe with welded steel plate over end on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_44753\_73954.jpg



Hole in pipe at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	03/12/2019 03/12/2019	David Julian

LM Start	1.25	Rating **	M	Issue No.	31 (cont)	
LM End	1.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.201143 °		38.201143 °
				-121.655169 °		-121.655169 °
DWR ID	21085					
Comment Code						
Inspector Comment						
FS_ID:44753 DS_ID:21085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole rusted through pipe on WS end. Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 20-inch coated steel gravity drainage pipe through the levee, 15.5 feet below the crown. Pipe exposed along the waterside (WS) slope. Steel plate welded over end. [Additional Reference(s): USACE Sacramento O&M Manual 105, April 1959, (HLM 1.4)]. FS Date: 4/23/2015						

Photo 3 of 3 : UCIP\_SP\_2019\_44753\_73953.jpg



Inside hole in pipe at WS toe.

LM Start	1.73	Rating **	M	Issue No.	18
LM End	1.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208030 °	38.209040 °
				-121.656052 °	-121.655575 °
DWR ID	DWR_RD0501_02_f_2018_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation from top 20' of waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0501\_170\_18\_20190311\_00003.jpg



View looking upstream at vegetation on the waterside shoulder (November 2018).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	03/12/2019 03/12/2019	David Julian

LM Start	2.46	Rating **	M	Issue No.	24
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.213615 °	38.214440 °
				-121.665450 °	-121.666360 °
DWR ID	DWR_RD0501_02_s_2019_24				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation at the bottom of the slope.					

Photo 1 of 1 : SP\_2019\_RD0501\_170\_24\_20190314\_00045.jpg



View looking upstream at vegetation on the landside slope (Spring 2019).

LM Start	2.64	Rating **	M	Issue No.	25
LM End	2.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215720 °	38.215720 °
				-121.667430 °	-121.667430 °
DWR ID	DWR_RD0501_02_s_2019_25				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove blackberries from bottom of levee slope.					

Photo 1 of 1 : SP\_2019\_RD0501\_170\_25\_20190314\_00046.jpg



View of blackberries at the landside toe (Spring 2019).

LM Start	2.69	Rating **	M	Issue No.	22
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.216332 °	38.216332 °
				-121.667945 °	-121.667945 °
DWR ID	DWR_RD0501_02_f_2018_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove willows from waterside shoulder.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	03/12/2019 03/12/2019	David Julian

LM Start	2.90	Rating **	A/W	Issue No.	4
LM End	2.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.218890 °	38.218997 °
				-121.669934 °	-121.669988 °
DWR ID	DWR_RD0501_02_s _ 2012_4				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
No indications of rodent activity visible. Adjacent orchard may attract rodents, so area should be monitored.					

No Photos

LM Start	3.41	Rating **	M	Issue No.	16
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225823 °	38.226847 °
				-121.672837 °	-121.673027 °
DWR ID	DWR_RD0501_02_s _ 2012_16				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim up the trees on the landside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	03/12/2019 03/12/2019	David Julian

LM Start	0.55	Rating **	M	Issue No.	44
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.233892 °	38.234412 °
				-121.666203 °	-121.665627 °
DWR ID	DWR_RD0501_03_f_2018_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0501\_171\_44\_20190311\_00011.jpg



View looking upstream of new willow growth on the waterside shoulder (November 2018).

LM Start	0.57	Rating **	M	Issue No.	27
LM End	0.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.234102 °	38.234102 °
				-121.665932 °	-121.665932 °
DWR ID	DWR_RD0501_03_s_2019_27				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0501\_171\_27\_20190314\_00081.jpg



View of vegetation on the landside slope (Spring 2019).

LM Start	0.78	Rating **	U	Issue No.	30
LM End	0.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236968 °	38.239040 °
				-121.665088 °	-121.664862 °
DWR ID	DWR_RD0501_03_s_2019_30				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove willows and blackberries 20' from crown.					

Photo 1 of 1 : SP\_2019\_RD0501\_171\_30\_20190314\_00082.jpg



View looking upstream at vegetation on the waterside slope (Spring 2019).

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	03/12/2019 03/12/2019	David Julian

LM Start	0.90	Rating **	U	Issue No.	45
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238695 °	38.239740 °
				-121.664858 °	-121.664782 °
DWR ID	DWR_RD0501_03_f_2018_45				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0501\_171\_45\_20190311\_00012.jpg



View looking upstream at thick vegetation on the waterside slope (November 2018).

LM Start	1.48	Rating **	M	Issue No.	28	
LM End	1.48	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.244293 °		38.244293 °
				-121.657843 °		-121.657843 °
DWR ID	DWR_RD0501_03_f_2017_28					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Trim/thin willows to allow inspection and access to landside slope and toe.						

Photo 1 of 1 : SP\_2019\_RD0501\_171\_28\_20190311\_00001.jpg



Trim/thin willows to allow inspection and access to landside slope and toe.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	03/12/2019 03/12/2019	David Julian

LM Start	1.56	Rating **	C	Issue No.	29
LM End	1.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.245445 °	38.245445 °
				-121.658035 °	-121.658035 °
DWR ID	DWR_RD0501_03_s_2019_29				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove berry vines at landside toe to allow inspection and access.					

No Photos

LM Start	2.44	Rating **	C	Issue No.	32
LM End	2.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.255070 °	38.255070 °
				-121.651630 °	-121.651630 °
DWR ID	DWR_RD0501_03_f_2017_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove thick berry vines at landside toe to allow inspection and access.					

No Photos

LM Start	2.95	Rating **	C	Issue No.	47
LM End	3.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261617 °	38.261897 °
				-121.650220 °	-121.648820 °
DWR ID	DWR_RD0501_03_f_2018_47				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove willows from landside shoulder.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side WS : Water Side CR : Crown		A : Acceptable M : Minimally Acceptable U : Unacceptable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
N/A : Not Applicable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	03/12/2019 03/12/2019	David Julian

LM Start	2.98	Rating **	C	Issue No.	48
LM End	3.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261630 °	38.261800 °
				-121.649702 °	-121.649017 °
DWR ID	DWR_RD0501_03_f_2018_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove willows from waterside shoulder.					

No Photos

LM Start	3.62	Rating **	M	Issue No.	22
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267485 °	38.267578 °
				-121.640667 °	-121.640507 °
DWR ID	DWR_RD0501_03_s_2012_22				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.68	Rating **	M	Issue No.	3
LM End	3.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.268218 °	38.268218 °
				-121.640418 °	-121.640418 °
DWR ID	DWR_RD0501_03_f_2017_3				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	03/12/2019 03/12/2019	David Julian

LM Start	4.47	Rating **	M	Issue No.	34
LM End	4.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.277918 °	38.281507 °
				-121.637670 °	-121.641595 °
DWR ID	DWR_RD0501_03_f _ 2017_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove berry vines on landside slope and toe to allow inspection and access.					

Photo 1 of 1 : SP\_2019\_RD0501\_171\_34\_20190311\_00005.jpg



Photo of berry vines on landside slope and toe

LM Start	4.89	Rating **	M	Issue No.	36
LM End	4.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.282028 °	38.282028 °
				-121.643067 °	-121.643067 °
DWR ID	DWR_RD0501_03_f_2017_36				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim tree to at least 5 feet above levee slope to allow inspection and access.					

No Photos

LM Start	4.97	Rating **	M	Issue No.	37
LM End	4.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.283197 °	38.283197 °
				-121.643287 °	-121.643287 °
DWR ID	DWR_RD0501_03_s_2019_37				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove blackberries from landside levee slope.					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	03/12/2019 03/12/2019	David Julian

LM Start	5.11	Rating **	M	Issue No.	38
LM End	5.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285115 °	38.285115 °
				-121.643227 °	-121.643227 °
DWR ID	DWR_RD0501_03_f_2017_38				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove thick berry vines from landside slope and toe to allow inspection and access.					

No Photos

LM Start	5.61	Rating **	M	Issue No.	49
LM End	5.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.289848 °	38.289848 °
				-121.641113 °	-121.641113 °
DWR ID	DWR_RD0501_03_s_2019_49				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0501\_171\_49\_20190311\_00014.jpg



View of thick tree growth on the waterside slope (November 2018).

LM Start	5.76	Rating **	M	Issue No.	50
LM End	5.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.290063 °	38.290063 °
				-121.638482 °	-121.638482 °
DWR ID	DWR_RD0501_03_f_2018_50				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	03/12/2019 03/12/2019	David Julian

LM Start	6.14	Rating **	M	Issue No.	40
LM End	6.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291563 °	38.291563 °
				-121.632068 °	-121.632068 °
DWR ID	DWR_RD0501_03_f_2017_40				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim/thin trees on waterside to allow inspection and access.					

Photo 1 of 1 : SP\_2019\_RD0501\_171\_40\_20190311\_00008.jpg



Photo of trees on waterside slope

LM Start	6.61	Rating **	M	Issue No.	39
LM End	6.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.290313 °	38.290313 °
				-121.623785 °	-121.623785 °
DWR ID	DWR_RD0501_03_f_2016_39				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There is evidence of significant rodent activity at this location. Exterminate the rodents and backfill the holes.					

Photo 1 of 1 : SP\_2019\_RD0501\_171\_39\_20190311\_00007.jpg



Phot of evidence of significant rodent activity at this location

LM Start	7.58	Rating **	M	Issue No.	43
LM End	7.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.286222 °	38.286222 °
				-121.608127 °	-121.608127 °
DWR ID	DWR_RD0501_03_f_2017_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	03/12/2019 03/12/2019	David Julian

LM Start	0.43	Rating **	M	Issue No.	22
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.280360 °	38.280360 °
				-121.601530 °	-121.601530 °
DWR ID	DWR_RD0501_04_s_2019_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation from landside slope.					

Photo 1 of 1 : SP\_2019\_RD0501\_172\_22\_20190314\_00034.jpg



View looking downstream at vegetation on the land side slope (Spring 2019).

LM Start	0.84	Rating **	M	Issue No.	11
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274615 °	38.274615 °
				-121.602718 °	-121.602718 °
DWR ID	DWR_RD0501_04_f_2017_11				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove thick blackberries at landside toe to allow inspection and access.					

Photo 1 of 1 : SP\_2019\_RD0501\_172\_11\_20190311\_00001.jpg



Thick blackberries should be removed.

LM Start	1.24	Rating **	C	Issue No.	18
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.269173 °	38.269173 °
				-121.604215 °	-121.604215 °
DWR ID	DWR_RD0501_04_f_2018_18				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

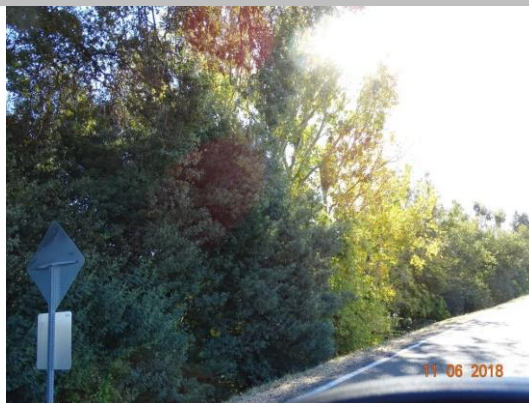
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	03/12/2019 03/12/2019	David Julian

LM Start	1.48	Rating **	C	Issue No.	19
LM End	1.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.265862 °	38.265862 °
				-121.602698 °	-121.602698 °
DWR ID	DWR_RD0501_04_f_2018_19				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.49	Rating **	M	Issue No.	20
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.265688 °	38.264703 °
				-121.602635 °	-121.602327 °
DWR ID	DWR_RD0501_04_f_2018_20				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0501\_172\_20\_20190311\_00006.jpg



View looking downstream at thick trees on the waterside slope (November 2018)

LM Start	1.64	Rating **	M	Issue No.	14
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.263587 °	38.262028 °
				-121.602068 °	-121.601688 °
DWR ID	DWR_RD0501_04_f_2017_14				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim trees and undergrowth to allow inspection and access to landside slope and toe.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	03/12/2019 03/12/2019	David Julian

LM Start	1.94	Rating **	M	Issue No.	21
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.259382 °	38.258367 °
				-121.601162 °	-121.600858 °
DWR ID	DWR_RD0501_04_f_2018_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.15	Rating **	M	Issue No.	13
LM End	2.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.256275 °	38.255990 °
				-121.600933 °	-121.601015 °
DWR ID	DWR_RD0501_04_s_2012_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Thin out the trees along levee mile 2.15-2.17 and trim them up at least 5 feet above the ground.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---